INTERNATIONAL SEARCH REPORT

Inter ral Application No PCT/FR2005/050123

A. CLASSIFICATION OF SUBJECT MATTER IPC 7 H01L23/485 H01L21/60

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 HO1L

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, WPI Data, PAJ

C. DOCUM	ENTS CONSIDERED TO BE RELEVANT	
Category °	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Χ	DE 101 57 205 A (FRAUNHOFER GES FORSCHUNG) 12 June 2003 (2003-06-12)	1,5,7,8,
Α	the whole document	2-4,6, 9-11
X	US 2002/164840 A1 (LU SZU-WEI ET AL) 7 November 2002 (2002-11-07) paragraph '0038! - paragraph '0042!; figures 2-6	1,7,8,
X	WO 03/015153 A (BONVALOT BEATRICE; SCHLUMBERGER SYSTEMS & SERVICE (FR); SCHLUMBERGER) 20 February 2003 (2003-02-20)	12
A _.	the whole document	1-11
	-/	

χ Further documents are listed in the continuation of box C.	Patent family members are listed in annex.			
 Special categories of cited documents: "A" document defining the general state of the art which is not considered to be of particular relevance "E" earlier document but published on or after the international filing date "L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified) "O" document referring to an oral disclosure, use, exhibition or other means "P" document published prior to the international filing date but later than the priority date claimed 	"T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention "X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone "Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art. "&" document member of the same patent family			
Date of the actual completion of the international search .	Date of mailing of the international search report			
5 July 2005	25/07/2005			
Name and mailing address of the ISA European Patent Office, P.B. 5818 Patentlaan 2 NL – 2280 HV Rijswijk	Authorized officer			
Tel. (+31-70) 340-2040, Tx. 31 651 epo nl, Fax: (+31-70) 340-3016	Ploner, G			

INTERNATIONAL SEARCH REPORT

Inter al Application No PCT/FR2005/050123

	ation) DOCUMENTS CONSIDERED TO BE RELEVANT	
ategory °	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
	US 5 731 636 A (CHUN HEUNG SUP) 24 March 1998 (1998-03-24) the whole document	1-12
Ą	US 5 746 927 A (WATANABE KOJI ET AL) 5 May 1998 (1998-05-05) column 5, line 45 - column 6, line 44; figures la-f	1-12
4 .	US 6 537 854 B1 (WU CHI-YUAN ET AL) 25 March 2003 (2003-03-25) column 8, line 11 - column 9, line 22; figures 4A,B,6A,B	1-12
4	US 2002/190107 A1 (SHAH TUSHAR T ET AL) 19 December 2002 (2002-12-19) the whole document	1-12
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INTERNATIONAL SEARCH REPORT

Information on patent family members

Inter 1al Application No
PCT/FR2005/050123

						
Patent document cited in search report		Publication date		Patent family member(s)		Publication date
DE 10157205	Α	12-06-2003	DE	10157205	A1	12-06-2003
US 2002164840	A1	07-11-2002	NONE			
WO 03015153	Α	20-02-2003	FR CN EP WO US	2828334 1565053 1421614 03015153 2005034303	A A2 A2	07-02-2003 12-01-2005 26-05-2004 20-02-2003 17-02-2005
US 5731636	A .	24-03-1998	KR JP JP	206866 3029398 9129669		01-07-1999 04-04-2000 16-05-1997
US 5746927	A .	05-05-1998	JP JP JP US US	3356840 7111170 7307172 8236179 5610371 5440454 5603981	A A A A	16-12-2002 25-04-1995 21-11-1995 13-09-1996 11-03-1997 08-08-1995 18-02-1997
US 6537854	B1	25-03-2003	NONE			
US 2002190107	A1	19-12-2002	NONE			· — — — — — — — — — — — — — — — — — — —